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N. N. KUZNETSOV'S WORK IN THE FIELD OF TISSUE TRANSPLANTATION

Docent N. N. Kuznetsov, head of the chair of histology at the Kishinev Medical Institute, has worked in the field of tissue transplantation for several years. The principal aim of his investigation is to develop methods for the controlled restoration of tissues and organs. After carrying out numerous experiments, Kuznetsov succeeded in proving that specially treated peritoneum of cattle is an excellent material for producing fine catgut to be used in surgical sutures. A valuable property of this catgut is that it becomes surrounded with living substances in the organism. New cells are then formed in this living substance, in accordance with O. B. Lepenshinskaya's teaching.

The capacity of peritoneal tissue to develop vital activity in the organism was utilized by Kuznetsov in still another manner, i.e., for the creation of tubes which serve to restore damaged blood vessels without application of a suture.

Kuznetsov's discoveries are already being introduced into medical practice. With that purpose in view, the chair of histology established contact with the eye clinic and the ear, throat, and nose clinic of the First Moldavian SSR Hospital. Scientific workers at clinics are working on problems connected with the application of peritoneal tissue in various fields of restorative surgery.

Another success marked Kuznetsov's work on 12 September 1951: he completed work on the creation of a gelatine tube which, with the aid of treated peritoneal tissue, will become a still more perfect means of restoring blood vessels without applying sutures.

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